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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
10/036,389	01/07/2002	Cheng-Yi Liu	2207/12660	3651	
21186 75	590 11/28/2003		EXAMINER		
SCHWEGMA	N, LUNDBERG, WOE	TRAN, MAI HUONG C			
P.O. BOX 2938 MINNEAPOLIS, MN 55402			ART UNIT	PAPER NUMBER	
MINNEAPOLI	3, IVIN 33402		2818		
			DATE MAILED: 11/28/2003		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No		Applicant(s)			
Office Astion Comments	10/036,389		LIU ET AL.			
Office Action Summary	Examiner		Art Unit			
	Mai-Huong Trai		2818			
The MAILING DATE of this communication app Period for Reply	ears on the cove	r sheet with the c	orrespondence ad	iaress		
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute, - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	36(a). In no event, how within the statutory mi will apply and will expire cause the application	vever, may a reply be tim inimum of thirty (30) days s SIX (6) MONTHS from to to become ABANDONEI	nely filed s will be considered time the mailing date of this o O (35 U.S.C. § 133).	ly. ommunication.		
1) Responsive to communication(s) filed on	<u>_</u> .					
2a)⊠ This action is FINAL . 2b)□ This	action is non-fin	al.				
Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935, C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4) Claim(s) 13-27 and 29-44 is/are pending in the 4a) Of the above claim(s) is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) 13-27 & 29-44 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/o	wn from conside					
Application Papers	·					
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) accomplished any not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Expriority under 35 U.S.C. §§ 119 and 120	epted or b) obdiced or b) obdi	d in abeyance. See he drawing(s) is obj e attached Office	e 37 CFR 1.85(a). lected to. See 37 C Action or form P			
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a) All b) Some * c) None of: 1. Certified copies of the priority document: 2. Certified copies of the priority document: 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list 13) Acknowledgment is made of a claim for domesti since a specific reference was included in the first 37 CFR 1.78. a) The translation of the foreign language pro 14) Acknowledgment is made of a claim for domesti reference was included in the first sentence of the	s have been rec rity documents h u (PCT Rule 17 of the certified of ic priority under s st sentence of the ovisional applica- ic priority under s	eived in Application ave been received (a)). copies not received (35 U.S.C. § 119(e) are specification or tion has been received (35 U.S.C. §§ 120	ed in this National ed. e) (to a provisional in an Application eived. and/or 121 since	al application) n Data Sheet. e a specific		
Attachment(s)	_	1				
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 		Interview Summary Notice of Informal P Other:	(PTO-413) Paper No atent Application (PT			

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Response to Amendment

This Office Action is in response to Amendment filed on 10/27/2003.

Claims 13-27 and 29-44 are presented for examination.

Claim Rejections - 35 U.S.C. § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 13-27 and 29-44 are rejected under 35 U. S. C. § 102 (b) as being anticipated by Applicant Admitted Prior Art (AAPA).

Claims 13-27 and 29-44 are rejected for the same reason as set forth in the previous Office Action dated 08/22/03.

Response to Arguments

Applicant 's comments stated that Dawson et al. (U.S. 5,621,615) neither teaches nor suggests his die is a thinned die. However, examiner notes that on column 6, lines 61, Dawson states that 'a die attach thickness in the range of 1.0 mil + - 60% provides for good thermal conductance for chips dissipating heat...'. Also, 1 mil = 25.54 μ m. In claim 16, applicant stated that the die has a thickness of no more than 100 μ m.

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Therefore, for the above reason, it is believed that the rejection should be sustained. Feature of an invention not found in the claims can be given no patentable weight in distinguishing the claimed invention over the prior art.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Conclusion

Any inquiry concerning this communication on earlier communications from the examiner should be directed to Mai-Huong Tran, (703) 305-1958. The examiner can normally be reached on Monday-Friday from 8:00 AM to 4:30 PM. The examiner's supervisor, David Nelms can be reached on (703) 308-4910.

The fax phone number for the organization where this application or proceeding is assigned is (703) 308-7724. Any inquiry of a general nature or relating to the status of

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this application or proceeding should be directed to the receptionist whose telephone

number is (703) 308-0956.

Mai-Huong Tran

David Neims
Supervisory Patent Examiner
Technology Center 2800

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